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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit :  
Examiner :  
Serial No. :  
Filed : Herewith  
PCT No. : PCT/JP01/04043  
PCT Filed : May 15, 2001  
Inventors : Hideo Kijima Docket: 1384-01  
: Toshiki Hiruta  
: Kazuhito Kenmochi  
: Toshiyuki Hattori Confirmation No.:  
: Maki Horiuchi  
Title : COMPOSITE CEMENTED  
: CARBIDE ROLL AND  
: HOT ROLLING METHOD  
: OF STEEL USING SAME  
:



22469

PATENT TRADEMARK OFFICE

Docket: 1384-01

Confirmation No.:

Dated: December 31, 2001

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**PRELIMINARY AMENDMENT**

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Commissioner for Patents  
Washington, DC 20231

Sir:

Prior to action on the merits of the case, kindly amend the above-identified application as follows:

**In the Specification (clean copy as amended)**

Please replace the paragraph bridging pages 22 and 23 with the following:

Application of the composite cemented carbide roll of the invention as a work roll for a hot roughing mill with an outside diameter within a range of from 500 to 1,500 mm ensures a remarkable improvement of size and shape control property by reduction of thermal crown as compared with the conventional steel roll.

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Remarks

We respectfully request that the above-identified amendments entered into the file of the case. They are made to correct typographical errors found in the original PCT Specification and no new matter has been added.

An early action on the merits of the case is respectfully requested.

Respectfully submitted,



T. Daniel Christenbury  
Reg. No. 31,750

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**In the Specification (marked-up copy as amended)**

Please replace the paragraph bridging pages 22 and 23 with the following:

Application of the composite cemented carbide roll of the invention as a work roll for a hot roughing mill with an outside diameter within a range of from ~~5,000~~500 to 1,500 mm ensures a remarkable improvement of size and shape control property by reduction of thermal crown as compared with the conventional steel roll.